

## Abstract

The invention relates notably to a method for assigning resources in a shared channel of a communication network including a master station and a plurality of slave stations communicating with the master station over the shared channel. The master station sends transmit authorizations to the slave stations authorizing them to transmit at least a traffic packet on the shared channel. A slave station may have inactivity periods during which it has no traffic packet to transmit. A maximum time interval between two transmit authorizations, called activity time interval, is ensured during non inactivity periods for each slave station. The method includes a step of transmitting to the master station a silence indication upon reception of a transmit authorization at a slave station during an inactivity period and increasing the maximum time interval between two transmit authorizations for the slave station upon reception of the silence indication at the master station.

## Summary

The invention relates notably to a method for assigning resources in a shared channel of a communication network comprising a master station and a plurality of slave stations communicating with the master station over the shared channel. The master station sends transmit authorizations to the slave stations authorizing them to transmit at least a traffic packet on the shared channel. A slave station may have inactivity periods during which it has no traffic packet to transmit. A maximum time interval between two transmit authorizations, called activity time interval, is ensured during non inactivity periods for each slave station.

According to the invention, the method comprises a step of transmitting to the master station a silence indication upon reception of a transmit authorization at a slave station during an inactivity period and increasing the maximum time interval between two transmit authorizations for the slave station upon reception of the silence indication at the master station.